

Release notes for ENDF/B Development e-083_Bi_000
evaluation

ENDF
B-VII.dev

October 13, 2016

- fudge-4.0 Warnings:

1. Mislabelled emitted particle
Reading ENDF file: ../e-083_Bi_000.endf (Error # 0): ZAP messed up

WARNING: photon most likely labelled as an electron (ZAP = 11), converting to ZAP = 0
2. FIXME: Generic fudge unimplemented message
reaction label 1: e- + Bi + gamma [bremsstrahlung] / Product: e- (Error # 0): Generic unimp (c)

WARNING: Checking not yet implemented for energyLoss type data
3. FIXME: Generic fudge unimplemented message
reaction label 2: e- + Bi [excitation] / Product: e- (Error # 0): Generic unimp (c)

WARNING: Checking not yet implemented for energyLoss type data

- fudge-4.0 Errors:

1. Calculated and tabulated thresholds don't agree
reaction label 0: e- + Bi [large angle Coulomb scattering] / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 10. eV!
2. Calculated and tabulated thresholds don't agree
reaction label 1: e- + Bi + gamma [bremsstrahlung] / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 10. eV!
3. Calculated and tabulated thresholds don't agree
reaction label 2: e- + Bi [excitation] / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 10. eV!
4. Calculated and tabulated thresholds don't agree
reaction label 3: e- + e- + Bi1s1/2 / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 90832. eV!
5. Calculated and tabulated thresholds don't agree
reaction label 4: e- + e- + Bi2s1/2 / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 16376. eV!
6. Calculated and tabulated thresholds don't agree
reaction label 5: e- + e- + Bi2p1/2 / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 15768. eV!
7. Calculated and tabulated thresholds don't agree
reaction label 6: e- + e- + Bi2p3/2 / Cross section: (Error # 0): Threshold mismatch

- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 13425. eV!
8. Calculated and tabulated thresholds don't agree
reaction label 7: $e^- + e^- + Bi3s1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 3973.9 eV!

 9. Calculated and tabulated thresholds don't agree
reaction label 8: $e^- + e^- + Bi3p1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 3692.7 eV!

 10. Calculated and tabulated thresholds don't agree
reaction label 9: $e^- + e^- + Bi3p3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 3166.9 eV!

 11. Calculated and tabulated thresholds don't agree
reaction label 10: $e^- + e^- + Bi3d3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 2698. eV!

 12. Calculated and tabulated thresholds don't agree
reaction label 11: $e^- + e^- + Bi3d5/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 2586. eV!

 13. Calculated and tabulated thresholds don't agree
reaction label 12: $e^- + e^- + Bi4s1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 923.4299999999999 eV!

 14. Calculated and tabulated thresholds don't agree
reaction label 13: $e^- + e^- + Bi4p1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 799.4299999999999 eV!

 15. Calculated and tabulated thresholds don't agree
reaction label 14: $e^- + e^- + Bi4p3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 669.16 eV!

 16. Calculated and tabulated thresholds don't agree
reaction label 15: $e^- + e^- + Bi4d3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 464.95 eV!

 17. Calculated and tabulated thresholds don't agree
reaction label 16: $e^- + e^- + Bi4d5/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 440.61 eV!

 18. Calculated and tabulated thresholds don't agree
reaction label 17: $e^- + e^- + Bi4f5/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 173.87 eV!

19. Calculated and tabulated thresholds don't agree
reaction label 18: $e^- + e^- + Bi4f7/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 168.17 eV!

20. Calculated and tabulated thresholds don't agree
reaction label 19: $e^- + e^- + Bi5s1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 166.86 eV!

21. Calculated and tabulated thresholds don't agree
reaction label 20: $e^- + e^- + Bi5p1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 123.12 eV!

22. Calculated and tabulated thresholds don't agree
reaction label 21: $e^- + e^- + Bi5p3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 97.45999999999999 eV!

23. Calculated and tabulated thresholds don't agree
reaction label 22: $e^- + e^- + Bi5d3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 35.37 eV!

24. Calculated and tabulated thresholds don't agree
reaction label 23: $e^- + e^- + Bi5d5/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 32.17 eV!

25. Calculated and tabulated thresholds don't agree
reaction label 24: $e^- + e^- + Bi6s1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 17.69 eV!

26. Calculated and tabulated thresholds don't agree
reaction label 25: $e^- + e^- + Bi6p1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 8.6 eV!

27. Calculated and tabulated thresholds don't agree
reaction label 26: $e^- + e^- + Bi6p3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 6.35 eV!

- xsectplotter Warnings:

1. Mislabeled emitted particle
Error: ZAP messed up

stderr while processing crossSection

WARNING: photon most likely labelled as an electron (ZAP = 11), converting to ZAP = 0
 ... [4 more lines]